MEMORANDUM FOR:   Chairman, Computer Security Subcommittee

SUBJECT:          User Authentication Device for Computer
                  Terminals

FROM:             [                                    ]          STAT
                  Staff, DCI Security Committee


     1.  I have reviewed the above subject and recommend
the Computer Security Subcommittee move in the direction
as suggested in the last paragraph of this memorandum.

     2.  Considerable effort has gone into studying the
application of various personnel identification or veri-
fication devices for application to security problems.
This activity was accomplished, and continues to some
degree at the following facilities:

          a.  Air Force/Mitre (ESD) at Hanscomb Field,
              Massachusetts under the Base Installation
              Security Study. (BISS)

          b.  National Bureau of Standards focal point -
              Helen Wood.

          c.  AEC/NRA - Sandia Corporation, Albuquerque,
              New Mexico

          d.  CIA - (TRW Badge Machine)
              Local point - Office of Security

     3.  The activity of the above first three facilities
has been documented and reports are available.  The type
of devices studied are:

              (1).  voice identification/verification
              (2).  finger print identification/verification
              (3).  visual identification/verification
              (4).  badge identification/verification
              (5).  signature identification/verification
              (6).  password identification/verification
              (7).  other personal characteristics
                    identification/verification

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The CIA activity, to the undersigned's knowledge, has not resulted in documentation or reports. This activity, however, is attempting to keep current in the overall aspects of identification/authentication/verification of personnel.

4. It was suggested at the last Subcommittee meeting that the R&D Subcommittee of SECOM be tasked to explore the "user authentication device for terminals" area. The undersigned believes that a more definitive request should be presented to the R&D Subcommittee, due to the past work by others in this area. This definitive request should be based on the desires of the members of Computer Security Subcommittee for a type of device with a description of the application and security controls expected.

5. It is suggested that the Chair of the Computer Security Subcommittee create a working group to describe the security controls and type of devices acceptable to the IC for the R&D Subcommittee.

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